

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Docket No: HAMANN
Appl. No: 09/973,487

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

1. (Currently amended) An induction apparatus for use in an electric machine, comprising:

a magnetizable pole core;

a winding arrangement having a winding start and a winding end for inducing a magnetic field in the magnetizable pole core in response to an electric current flowing through the winding arrangement; and

a lossy, magnetizable device so interacting with the winding start and winding end of the winding arrangement that a magnetic flux is induced in the magnetizable device substantially only by a capacitive bypass current.
2. (Currently amended) The induction apparatus of claim 1, wherein the winding start and the winding end of the winding arrangement extend through the magnetizable device in opposite directions.
3. (Currently amended) The induction apparatus of claim 1, wherein the winding start and the winding end of the winding arrangement extend about the magnetizable device in opposite directions.

Docket No: HAMANN
Appl. No: 09/973,487

4. (Currently amended) The induction apparatus of claim 1, wherein the winding start and the winding end of the winding arrangement extend through and about the magnetizable device in opposite directions.
5. (Original) The induction apparatus of claim 1, wherein the magnetizable device includes one of a ring-shaped magnetic core and rod-shaped magnetic core.
6. (Original) The induction apparatus of claim 1, wherein the magnetizable device is made, at least partially, of ferrite.
7. (Currently amended) The induction apparatus of claim 1, wherein the winding arrangement is wound layer-by-layer on a coil body that is separate from the magnetizable pole core.
8. (Withdrawn) An induction apparatus for use in an electric machine, comprising:
 - a magnetizable core;
 - a winding arrangement for inducing a magnetic field in the magnetizable core;
 - a shielding device disposed between the winding arrangement and the magnetizable core; and
 - an electric resistor connecting the shielding device to the magnetizable core.

Docket No: HAMANN
Appl. No: 09/973,487

9. (Withdrawn) The induction apparatus of claim 8, wherein the shielding device includes an electrically conductive shielding foil.
10. (Withdrawn) The induction apparatus of claim 8, wherein the winding arrangement is wound layer-by-layer on a coil body that is separate from the magnetizable core.
11. (Withdrawn) The induction apparatus of claim 10, wherein the coil body is electrically insulating and at least partially surrounds the winding arrangement so that the shielding device is arranged between the winding arrangement and the electrically insulating coil body.
12. (Withdrawn) The induction apparatus of claim 10, wherein the winding arrangement is in the form of an annular body, wherein the shielding device covers at least a portion of an inner surface area of the annular body.
13. (Withdrawn) The induction apparatus of claim 12, wherein the shielding device completely covers the inner surface area of the annular body.

Docket No: HAMANN
Appl. No: 09/973,487

14. (Withdrawn) The induction apparatus of claim 11, wherein the winding arrangement, the shielding device and the coil body are made of a material so selected that a first capacitance between the winding arrangement and the shielding device is greater than a second capacitance between the shielding device and the magnetizable core.
15. (Withdrawn) The induction apparatus of claim 14, wherein the resistor is selected so as to attenuate in cooperation with the first and second capacitances frequencies producing overvoltages in the induction apparatus.
16. (Previously amended) The induction apparatus of claim 1 for interaction with at least one further said induction apparatus, wherein the winding arrangement of the induction apparatus and the winding arrangement of said further induction apparatus are connected in series to form at least one winding strand.
17. (Previously amended) The induction apparatus of claim 1 for interaction with at least one further said induction apparatus, wherein the winding arrangement of the induction apparatus and the winding arrangement of said further induction apparatus have winding strands which are connected with one another at a star point.

Docket No: HAMANN
Appl. No: 09/973,487

18. (Withdrawn) The induction apparatus of claim 8 for interaction with at least one further said induction apparatus, wherein the winding arrangement of the induction apparatus and the winding arrangement of said further induction apparatus [[at least two induction apparatuses]] are connected in series to form at least one winding strand.
19. (Withdrawn) The induction apparatus of claim 8 for interaction with at least one further said induction apparatus, wherein the winding arrangement of the induction apparatus and the winding arrangement of said further induction apparatus have winding strands which are connected with one another at a star point.
20. (Withdrawn) A method of operating an electric machine of a type having at least one winding arrangement and a magnetizable core, said method comprising the steps of:
- applying a control voltage or a control current to the winding arrangement;
 - and
 - damping a capacitive bypass current between the winding arrangement and the magnetizable core by at least one of a lossy capacitive element and lossy inductive element.

Docket No: HAMANN
Appl. No: 09/973,487

21. (Previously added) The induction apparatus of claim 1, and further comprising means for applying a control voltage or a control current to the winding arrangement; said lossy magnetizable device damping a capacitive bypass current between the winding arrangement and the magnetizable device.
22. (Withdrawn) The induction apparatus of claim 8, and further comprising means for applying a control voltage or a control current to the winding arrangement; said shielding device in concert with the resistor device damping a capacitive bypass current between the winding arrangement and the magnetizable device.
23. (New) The induction apparatus of claim 1, wherein the magnetizable device is located proximate to the pole core.